

0038
CO-OP MINING COMPANY

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JUL 09 1993

DIVISION OF
OIL GAS & MINING

July 8, 1993

Pamela Grubaugh-Littig
Permit Supervisor
Utah Division of Oil, Gas & Mining
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

*Copy PM, Henry,
Susan, Hugh,
John*

Ms. Grubaugh-Littig,

Re: Tank Seam Proposal, Co-Op Mining Company, Bear Canyon Mine,
ACT/015/025-93B, Emery County, Utah

H2
Enclosed is the revised Tank Seam proposal. Revisions have been made to address deficiencies noted from the previous reviews.

Additions to Appendix 9-A and 9-E regarding the reference area for vegetation standards are omitted from the enclosed pages. Mt. Nebo Scientific is scheduled to sample the reference area and prepare the pages which have been omitted. These pages will follow within a few weeks to complete the submittal. The remaining pages are being submitted to begin the review process due to the urgency for approval to mine the Tank Seam.

Public notice is currently running in local and regional newspapers. Upon completion of the 4 week period, notarized copies of the publication will be submitted to the Division.

Co-Op was informed by Division staff that this proposal would be considered a significant revision because the disturbed acreage of the Shower House proposal, approved in February, 1993, would be added to the acreage of this proposal in the determination as to whether the disturbance exceeds 15% of the existing approved disturbance. The R645 regulations, however, do not justify this approach, since the Shower House addition is a completely separate amendment and is not involved in the Tank Seam amendment. Co-Op would like to document in this letter that public notice is being given as a result of a Division Order issued by Dianne Nielson, and not because this proposal is considered a significant revision.

Revision bond calculations have shown the need to increase the bond which is currently posted by Co-Op. Upon approval, a revised bond will be posted by Co-Op.

Pages and Plates have been marked DRAFT to distinguish them from previously approved material. Upon approval, finalized copies will be submitted to the Division. If you have any further questions, please call Charles Reynolds at (801) 381-2450.

Thank You,

A handwritten signature in cursive script, appearing to read "Wendell Owen".

Wendell Owen,
Resident Agent

WJO/cr
Enclosure(s)

APPLICATION FOR PERMIT CHANGE

Title of Change:

Tank Seam Permit Amendment

Permit Number: ACT/ 015 / 025

Mine: BEAR CANYON MINE

Permittee: CO-OP MINING CO.

Description, include reason for change and timing required to implement:

Co-Op Mining Company wishes to expand mining operations into the Tank Seam. We would like to begin development as soon as possible.

<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	1. Change in the size of the Permit Area? _____ acres <input type="checkbox"/> increase <input type="checkbox"/> decrease.
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	2. Change in the size of the Disturbed Area? _____ #. % 3.56 acres <input checked="" type="checkbox"/> increase <input type="checkbox"/> decrease.
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	3. Will permit change include operations outside the Cumulative Hydrologic Impact Area?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	4. Will permit change include operations in hydrologic basins other than currently approved?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	5. Does permit change result from cancellation, reduction or increase of insurance or reclamation bond?
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	6. Does permit change require or include public notice publication? _____ per Division Order
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	7. Permit change as a result of a Violation? Violation # _____
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	8. Permit change as a result of a Division Order? D.O.# _____
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	9. Permit change as a result of other laws or regulations? Explain: _____
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	10. Does permit change require or include ownership, control, right-of-entry, or compliance information?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	11. Does the permit change affect the surface landowner or change the post mining land use?
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	12. Does permit change require or include collection and reporting of any baseline information?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	13. Could the permit change have any effect on wildlife or vegetation outside the current disturbed area?
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	14. Does permit change require or include soil removal, storage or placement?
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	15. Does permit change require or include vegetation monitoring, removal or revegetation activities?
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	16. Does permit change require or include construction, modification, or removal of surface facilities?
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	17. Does permit change require or include water monitoring, sediment or drainage control measures?
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	18. Does permit change require or include certified designs, maps, or calculations?
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	19. Does permit change require or include underground design or mine sequence and timing?
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	20. Does permit change require or include subsidence control or monitoring?
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	21. Have reclamation costs for bonding been provided or revised for any change in the reclamation plan?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	22. Is permit change within 100 feet of a public road or perennial stream or 500 feet of an occupied dwelling?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	23. Is this permit change coal exploration activity <input type="checkbox"/> inside <input type="checkbox"/> outside of the permit area?

☐ Attach 3 complete copies of proposed permit change as it would be incorporated into the Mining and Reclamation Plan.

I hereby certify that I am a responsible official of the applicant and that the information contained in this application is true and correct to the best of my information and belief in all respects with the laws of Utah in reference to commitments, undertakings, and obligations, herein.

Signed - Name - Position - Date

Subscribed and sworn to before me this 9th day of July, 1993

Notary Public

My Commission Expires:
Attest: STATE OF
COUNTY OF



L A MILLER
Notary Public
STATE OF UTAH
My Commission Expires
February 5, 1994
2140 S. Main, Ste. 111, Salt Lake City, UT 84143

Received by Oil, Gas & Mining

ASSIGNED PERMIT CHANGE NUMBER

Application for Permit Change

Detailed Schedule of Changes to the Permit

Title of Change:

Permit Number: ACT 1051025

Mine: Bear Canyon

Permittee: Co-op Mining Co

Tank Seam Permit Amendment

Provide a detailed listing of all changes to the mining and reclamation plan which will be required as a result of this proposed permit change. Individually list all maps and drawings which are to be added, replaced, or removed from the plan. Include changes of the table of contents, section of the plan, pages, or other information as needed to specifically locate, identify and revise the exiting mining and reclamation plan. Include page, section and drawing numbers as part of the description.

			DESCRIPTION OF MAP, TEXT, OR MATERIALS TO BE CHANGED
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	2-iii; Table of Contents: Plate 2-4E added
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 2-4E: Tank Seam Surface Facilities Map Added
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 2-4C: Revised to show Tank Seam Access Road
<input checked="" type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	3-vi, 3-vii; Table of Contents: APP. 3-H + Plate 3-4C Added
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	3-4: Coal Handling discussed
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	3-6: Tank Seam Access Road referenced
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	3-10: Increase in disturbed acreage shown
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	3-27: Tank Seam Coal Reserves discussed
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	3-28, 3-36: Operating Schedule revised
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	3-48, 3-69, 3-77: Text Clarifications made
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	3-80, 3-83, 3-84: Reclamation Schedule Revised
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	3-86, 3-87, 3-89: Reclamation Bond Calcs. revised
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	3C-4: Subsidence Calculations revised
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	3D-4: Tank Seam Access Road referenced
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Appendix 3-H: Tank Seam Access Road Constr. descr.
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Appendix 3-L: " " " " Reclamation Added
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 3-1: Tank Seam Portal Pit Cross-section Added
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 3-2C: " " Access Road reclaimed Contours Added
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 3-2E: " " Area reclaimed Contours Added
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 3-4C: Mine Sequence & Timing Added
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 3-5C: Tank Seam Access Road Design Added
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	6-iii; Table of Contents: New Plate numbers Added
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	6-16, 6-17: Tank Seam Geology referenced

Any other specific or special instructions required for insertion of this proposal into the Mining and Reclamation Plan?

Application for Permit Change

Detailed Schedule of Changes to the Permit

Title of Change: <div style="font-size: 1.5em; font-family: cursive;">Tank Seam Permit Amendment</div>	Permit Number: <i>ACT10151025</i> Mine: <i>Bear Canyon Mine</i> Permittee: <i>Coq Mining Co</i>
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Provide a detailed listing of all changes to the mining and reclamation plan which will be required as a result of this proposed permit change. Individually list all maps and drawings which are to be added, replaced, or removed from the plan. Include changes of the table of contents, section of the plan, pages, or other information as needed to specifically locate, identify and revise the existing mining and reclamation plan. Include page, section and drawing numbers as part of the description.

			DESCRIPTION OF MAP, TEXT, OR MATERIALS TO BE CHANGED
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	6A-21 thru 6A-31: Drillhole Core logs added
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 6-9: Tank-Bear Seam interburden isopach
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	" 6-10: Tank Seam Overburden map
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	" 6-11: Tank Seam Isopach map
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	" 6-12: Tank Seam Structure Contour Map
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	7-iv, 7-vi: Table of Contents revised
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	7-87, 7-88, 7-89: Diversion designs Added for T.S. Road
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	7-89A: Table 7-2-11 continued to additional page
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	7-104: Tank Seam Portal Pad hydrology discussed
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	7-104A: " " " " " "
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	7-106A: Figure 7-2-17 Added (Catch basin design)
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	76-28, 76-3: Watersheds Added, Tables revised
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input checked="" type="checkbox"/> REMOVE	76-14, 76-15: Replaced by pg. 76-14A-C & 76-15A-C
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	76-14A thru C, 76-15 A thru C: Runoff calculations
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	76-24A, 76-24B: T.S. Road culvert design Specs.
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	76-27: Culvert C-10 diameter increased
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	76-38C thru 38I: Culverts sizing calculations
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	76-46, 76-47: Diversion ditch characteristics for T.S. Road
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	76-73 thru 76-107: Page numbers revised
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	76-108 thru 76-115: T.S. ditch sizing calculations
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Appendix 7-3: PHC updated for Tank Seam
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	7K-8 thru 7K-14: BTCA Areas discussed
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 7-1C: T.S. Road drainage Added

Any other specific or special instructions required for insertion of this proposal into the Mining and Reclamation Plan?

Application for Permit Change

Detailed Schedule of Changes to the Permit

Title of Change:

Tank Seam Permit Amendment

Permit Number: KT 1915 025

Mine: Bear Canyon

Permittee: Co-Op Mining Co

Provide a detailed listing of all changes to the mining and reclamation plan which will be required as a result of this proposed permit change. Individually list all maps and drawings which are to be added, replaced, or removed from the plan. Include changes of the table of contents, section of the plan, pages, or other information as needed to specifically locate, identify and revise the existing mining and reclamation plan. Include page, section and drawing numbers as part of the description.

			DESCRIPTION OF MAP, TEXT, OR MATERIALS TO BE CHANGED
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 7-1E: T.S. Access Road & Pad drainage added
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 7-4: Disturbed area boundary modified
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 7-5: Disturbed area / Watershed boundaries Revised
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 7-7: Disturbed boundary revised / reclaimed contours shown
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 7-8A: Channel RC-1 reclamation on T.S. Pad added
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	8-ii, 8-iii: Table of Contents revised
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	8-26: Disturbed acreage added
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	8-36 thru 8-41: Topsoil discussed; Page numbers Revised
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	8-42 thru 8-44: " " " "
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	8A-16 thru 8A-17: Soil Sample information added
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 8-1: Disturbed Area boundary modified
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 8-5C: T.S. Road Added; TS-6 & TS-7 were revised
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 8-5D: TS-6 & TS-7 areas Revised
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 8-5E: Reclamation Areas shown for road & Pad
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	9-ii, 9-iii: Table of Contents revised
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	9-19: Tank Seam area Vegetation discussed
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	9-10A: Page numbering revised
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Appendix 9A-15 thru 9A- : Reference Area data
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Appendix 9-E: Tank Seam Vegetation baseline data
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 9-1: Reference Area Added
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	

Any other specific or special instructions required for insertion of this proposal into the Mining and Reclamation Plan?